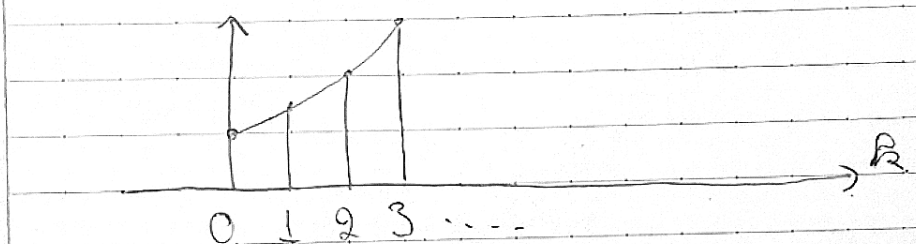
Thứ
Ngày . . No.

c) $h(n) = a^n . u(n)$

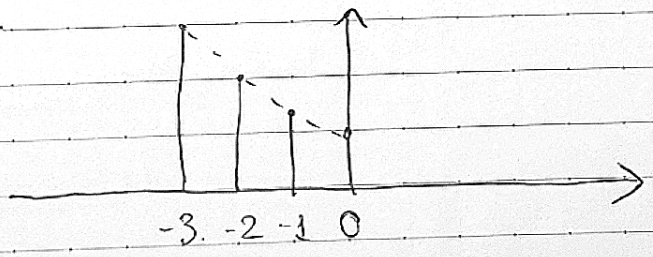
TH1: $n \geq 1$

$$\begin{cases} a^k & k \geq 0 \\ 0 & k < 0 \end{cases}$$

$h(k)$



$h(-k)$



$n < 0$: $y(n) = 0$

$n = 0$: $y(n) = 1$

$n > 0$: $y(n) = \dfrac{1 - a^{n+1}}{1 - a} . u(n)$

TH2: $n < 1$

$$y(n) = \frac{-1 \cdot - a^{n+1}}{1 - a} . u(n)$$